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Transferless film-forming composition useful for cosmetic purposes contains polyurethane particles and terephthalic-sulfoisophthalic acid copolyester

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Number of Countries: 030 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2783163	A1	20000317	FR 9811362	A	19980911	200021 B
EP 993824	A1	20000419	EP 99401798	A	19990716	200024
JP 2000128738	A	20000509	JP 99237560	A	19990824	200032
CA 2281184	A1	20000311	CA 2281184	A	19990831	200034
CN 1249924	A	20000412	CN 99118707	A	19990910	200035
BR 9903753	A	20000926	BR 993753	A	19990826	200051
KR 2000022983	A	20000425	KR 9938071	A	19990908	200107

Priority Applications (No Type Date): FR 9811362 A 19980911

Patent Details:

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CN 1249924 A A61K-007/02
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KR 2000022983 A C08L-067/00

Abstract (Basic): FR 2783163 A1

NOVELTY - Film-forming composition comprises particles of a polyurethane (I) dispersed in an aqueous phase containing a hydrophilic gelling agent which is a water-soluble or water-dispersible terephthalic-sulfoisophthalic acid copolyester (II) with a molecular weight below 20,000.

DETAILED DESCRIPTION - (II) comprises repeat units of formula

(IIa):

(-CO-A-CO-O-(CH₂CH₂O)_n-) (IIa)

A=1,4-phenylene, sulfo-1,3-phenylene and optionally 1,3-phenylene;

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n=1-4.

At least 35 mole% of the repeat units are units in which A is 1,4-phenylene and n=1; at least 7 mole% are units in which A is sulfo-1,3-phenylene; and 0-20 mole% are units in which A is 1,3-phenylene.

USE - The composition is useful as a transferless cosmetic product for make-up, care or treatment of the skin, hair and or mucosa, especially a lipstick, foundation, blusher, eye-shadow, mascara, eye-liner, body make-up, a product for care of the face, neck, hands, body, nails or lips, a deodorant or a solar protection product.

pp; 18 DwgNo 0/0

Technology Focus:

TECHNOLOGY FOCUS - POLYMERS - Preferred Polyurethane: (I) is an anionic polyurethane, preferably a polyester or polyether polyurethane, more preferably an anionic polyester polyurethane, and has a particle size of 2-300 nm.

Preferred Copolyester (II): This has a molecular weight of 5000-14,000, preferably 8000-10,000. At least 40 (preferably 40-90) mole% of the repeat units are units in which A is 1,4-phenylene and n=1; at least 10 (preferably 10-25) mole% are units in which A is sulfo-1,3-phenylene; and 0-20 (preferably 0.5-5) mole% are units in which A is 1,3-phenylene.

Title Terms: FILM; FORMING; COMPOSITION; USEFUL; COSMETIC; PURPOSE; CONTAIN

; POLYURETHANE; PARTICLE; TEREPHTHALIC; ACID

Derwent Class: A23; A96; D21

International Patent Class (Main): A61K-007/02; A61K-007/025; A61K-007/027; A61K-007/42; A61K-007/48; C08L-067/00

International Patent Class (Additional): A61K-007/00; A61K-007/021; A61K-007/032; A61K-007/035; A61K-007/04; A61K-007/06; A61K-007/32; A61K-007/40; C08L-067/02; C08L-081/00

File Segment: CPI

Manual Codes (CPI/A-N): A05-E01D; A07-B04; A12-V04; D08-B01; D08-B03; D08-B09A; D08-B09B

Polymer Indexing (PS):

<01>

001 018; P1592-R F77 D01

002 018; P1058-R P1592 P0964 H0260 F34 F77 H0044 H0011 D01

003 018; P0931-R P1592 P0839 H0260 H0011 H0044 F41 F77 D01 D63

004 018; ND01; ND04; Q9999 Q9165-R; Q9999 Q9176 Q9165; Q9999 Q9187
Q9165

005 018; K9632 K9621

<02>

001 018; G1354-R G1343 G1310 G4024 D01 D19 D18 D31 D50 D60 D76 D88 F37
F35 F62 E00 E23; R01023 G1343 G1310 G4024 D01 D19 D18 D31 D50 D60
D76 D88 F37 F35 E00 E20; R00822 G1025 G0997 D01 D11 D10 D50 D82 F28

F26; R01023 G1343 G1310 G4024 D01 D19 D18 D31 D50 D60 D76 D88 F37
F35 E00 E20; R00702 G1343 G1310 G4024 D01 D19 D18 D31 D50 D60 D76
D88 F37 F35 E00 E21; R10610 G1354 G1343 G1310 G4024 D01 D19 D18 D31
D50 D60 D61 D76 D88 F37 F35 F62 E00 E23 Na 1A; P0839-R F41 D01 D63;
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002 018; ND01; ND04; Q9999 Q9165-R; Q9999 Q9176 Q9165; Q9999 Q9187
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003 018; B9999 B5094 B4977 B4740

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